Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SAFETY DATA SHEET

Date of issue/Date of revision

: 25 October 2023

Version



SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: SIGMASHIELD 880/880GF HARDENER
Product code	: 00393271
Product description	1 () () () () () () () () () (
Product type	: Liquid.
Other means of identification	: Not available.
1.2 Relevant identified uses	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435

e-mail address of person

: Product.Stewardship.EMEA@ppg.com

responsible for this SDS

1.4 Emergency telephone number

Supplier

+31 20 4075210

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to UK CLP/GHS

Mam. Liq. 3, H226 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360F STOT SE 3, H335 Aquatic Chronic 1, H410

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms : View of the second second

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SECTION 2. Hazarus	ю	ientification
Hazard statements	:	 Fammable liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May damage fertility. Very toxic to aquatic life with long lasting effects.
Precautionary statements		
Prevention	:	Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	1	Collect spillage. IF exposed or concerned: Get medical advice or attention.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations. P 280, P210, P273, P391, P308 + P313, P501
Supplemental label elements	:	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Restricted to professional users.
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	1	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

	Mixture			
3.2 Mixtures :				
Product/ingredient name	Identifiers	%	Classification	Туре
Epoxy Amine Resin	CAS: SUB123903	≥25 - ≤50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317	[1]
xylene	EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
Propylidynetrimethanol, propoxylated, reaction products with ammonia	REACH #: 01-2119556886-20 EC: 500-105-6 CAS: 39423-51-3	≥10 - ≤17	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Aquatic Chronic 2,	[1]
English (GB)	United I	Kingdom (UK)		2/1

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			H411	
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥5.0 - ≤10	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1 Index: 603-108-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
bisphenol A	REACH #: 01-2119457856-23 EC: 201-245-8 CAS: 80-05-7 Index: 604-030-00-0	≥1.0 - ≤5.0	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360F STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)	[1] [2] [3]
m-phenylenebis(methylamine)	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0	≥1.0 - ≤4.3	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
2,4,6-tris(dimethylaminomethyl) phenol	REACH #: 01-2119560597-27 EC: 202-013-9 CAS: 90-72-2 Index: 603-069-00-0	≥0.30 - ≤2.6	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 See Section 16 for the full text of the H	[1]
			statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SUB codes represent substances without registered CAS Numbers.

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SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	 Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects		
Eye contact	:	Causes serious eye damage.
Inhalation	1	May cause respiratory irritation.
Skin contact	1	Causes severe burns. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	1	No known significant effects or critical hazards.
<u>Over-exposure signs/sympt</u>	on	n <u>s</u>
Eye contact	:	Adverse symptoms may include the following: pain watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations
4.3 Indication of any immedia	ate	medical attention and special treatment needed
Notes to physician	;	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.

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SECTION 5: Firefigh	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising	from the substance or mixture
Hazards from the substance or mixture	: A mmable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

SECTION 6: Accidental release measures

6.1	Personal	precautions,	protective	equipment	and	emergency procedures	
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mode.

English (GB)	United Kingdom (UK)	5/18
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof too explosion-proof equipment. Approach the release from upwind. Prevent entry sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage wit combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous and place in container for disposal according to local regulations (see Section Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1	/ into h non- earth 13).
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof too explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	in an al
	r containment and cleaning up	
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, due and sewers. Inform the relevant authorities if the product has caused environ pollution (sewers, waterways, soil or air). Water polluting material. May be had to the environment if released in large quantities. Collect spillage.	mental
For emergency responders	 If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". 	
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training Evacuate surrounding areas. Keep unnecessary and unprotected personnel f entering. Do not touch or walk through spilt material. Shut off all ignition sour No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	rom

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SECTION 6: Accidental release measures

emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Occupational exposure limits

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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
₩ylene	EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-,p- or mixed isomers] Absorbed through skin. STEL: 441 mg/m ³ 15 minutes. STEL: 100 ppm 15 minutes. TWA: 220 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
2-methylpropan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 231 mg/m ³ 15 minutes. STEL: 75 ppm 15 minutes. TWA: 154 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
bisphenol A	EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 2 mg/m ³ 8 hours.
ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 552 mg/m ³ 15 minutes. STEL: 125 ppm 15 minutes. TWA: 441 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.

Biological exposure indices

Product/ingredient name	Exposure indices
xylene	XYLENES
procedures national guidance	Id be made to appropriate monitoring standards. Reference to ce documents for methods for the determination of hazardous also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
xy lene	DNEL	Short term Inhalation	260 mg/m ³	General population	
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	Systemic
	DNEL	Long term Oral	12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Local
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	Local
	DNEL	Short term Inhalation	260 mg/m ³	General population	Local
	DNEL	Short term Inhalation	260 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Local
	DNEL	Long term Oral	12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	65.3 mg/m ³	General population	
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	442 mg/m ³	Workers	Systemic
Propylidynetrimethanol,	DNEL	Long term Dermal	1.6 mg/kg bw/day	Workers	Systemic
propoxylated, reaction		Ū			
products with ammonia					
	DNEL	Long term Inhalation	14.1 mg/m ³	Workers	Systemic
benzyl alcohol	DNEL	Long term Oral	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	5.4 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	8 mg/kg bw/day	Workers	Systemic
English (GB)	1	United King	gdom (UK)	1	7/18

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SECTION 8: Exposure controls/personal protection

	DNEL	Short term Oral	20 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	20 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	22 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	27 mg/m ³	General population	Systemic
	DNEL	Short term Dermal	40 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	110 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	55 mg/m³	General population	Local
	DNEL	Long term Inhalation	310 mg/m ³	Workers	Local
bisphenol A	DNEL	Long term Inhalation	2 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	2 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	2 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	2 mg/m ³	Workers	Local
	DNEL	Long term Dermal	0.031 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	0.031 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	1 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	1 mg/m ³	General population	Local
	DNEL	Short term Inhalation	1 mg/m ³	General population	Local
	DNEL	Long term Dermal	0.002 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	0.002 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.004 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.004 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	0.0019 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.0019 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.004 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.004 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	0.031 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0.031 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	1 mg/m ³	General population	Local
	DNEL	Long term Inhalation	1 mg/m ³	General population	Local
	DNEL	Short term Inhalation	1 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	2 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	2 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	2 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	2 mg/m ³	Workers	Systemic
	DNEL	Long term Inhalation	1 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	0.2 mg/m ³	Workers	Local
	DNEL	Long term Dermal	0.23 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.2 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
5	DNEL	Long term Inhalation	15 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m ³	Workers	Systemic
			0		•
		I ong term Dermal			SVetamio
		Long term Dermal	180 mg/kg bw/day 293 mg/m³	Workers	•
	DNEL	Short term Inhalation	293 mg/m ³	Workers	Local
	DNEL DMEL	Short term Inhalation Long term Inhalation	293 mg/m ³ 442 mg/m ³	Workers Workers	Local Local
	DNEL DMEL DMEL	Short term Inhalation Long term Inhalation Short term Inhalation	293 mg/m ³ 442 mg/m ³ 884 mg/m ³	Workers Workers Workers	Local Local Systemic
2,4,6-tris	DNEL DMEL	Short term Inhalation Long term Inhalation	293 mg/m ³ 442 mg/m ³	Workers Workers	Local Local Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DMEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day	Workers Workers Workers General population	Local Local Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DMEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day	Workers Workers General population General population	Local Local Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DMEL DNEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Long term Dermal	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day	Workers Workers General population General population General population	Local Local Systemic Systemic Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DMEL DNEL DNEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Long term Dermal Short term Inhalation	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.13 mg/m ³	Workers Workers General population General population General population General population	Local Local Systemic Systemic Systemic Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DNEL DNEL DNEL DNEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Long term Dermal Short term Inhalation Long term Inhalation	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.13 mg/m ³ 0.13 mg/m ³	Workers Workers General population General population General population General population General population	Local Local Systemic Systemic Systemic Systemic Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Short term Dermal Short term Inhalation Long term Inhalation Long term Dermal	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.13 mg/m ³ 0.13 mg/m ³ 0.15 mg/kg bw/day	Workers Workers General population General population General population General population General population Workers	Local Systemic Systemic Systemic Systemic Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL DN	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Long term Dermal Short term Inhalation Long term Dermal Long term Dermal Long term Inhalation	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.13 mg/m ³ 0.13 mg/m ³ 0.15 mg/kg bw/day 0.53 mg/m ³	Workers Workers General population General population General population General population General population Workers Workers	Local Systemic Systemic Systemic Systemic Systemic Systemic Systemic Systemic
2,4,6-tris (dimethylaminomethyl)phenol	DNEL DMEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	Short term Inhalation Long term Inhalation Short term Inhalation Long term Oral Short term Dermal Short term Dermal Short term Inhalation Long term Inhalation Long term Dermal	293 mg/m ³ 442 mg/m ³ 884 mg/m ³ 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.075 mg/kg bw/day 0.13 mg/m ³ 0.13 mg/m ³ 0.15 mg/kg bw/day	Workers Workers General population General population General population General population General population Workers	Local Systemic Systemic Systemic Systemic Systemic Systemic Systemic

PNECs

Code	÷	00393271

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SECTION 8: Exposure controls/personal protection

Product/ingredient name	Compartment Detail	Value	Method Detail
x ylene	Fresh water	0.327 mg/l	-
	Marine water	0.327 mg/l	-
	Sewage Treatment Plant	6.58 mg/l	-
	Fresh water sediment	12.46 mg/kg dwt	-
	Marine water sediment	12.46 mg/kg dwt	-
	Soil	2.31 mg/kg	-
2-methylpropan-1-ol	Fresh water	0.4 mg/l	Assessment Factors
	Marine water	0.04 mg/l	Assessment Factors
	Sewage Treatment Plant	10 mg/l	Assessment Factors
	Fresh water sediment	1.56 mg/kg dwt	Equilibrium Partitioning
	Marine water sediment	0.156 mg/kg dwt	-
	Soil	0.076 mg/kg dwt	Equilibrium Partitioning
bisphenol A	Fresh water	0.018 mg/l	Sensitivity Distribution
	Marine water	0.018 mg/l	Sensitivity Distribution
	Sewage Treatment Plant	320 mg/l	Assessment Factors
	Fresh water sediment	1.2 mg/kg dwt	Assessment Factors
	Marine water sediment	0.24 mg/kg dwt	Assessment Factors
	Soil	3.7 mg/kg dwt	Assessment Factors
ethylbenzene	Fresh water	0.1 mg/l	Assessment Factors
	Marine water	0.01 mg/l	Assessment Factors
	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	Secondary Poisoning	20 mg/kg	-

8.2 Exposure controls

Appropriate engineering controls	:	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilati or other engineering controls to keep worker exposure to airborne contaminants be any recommended or statutory limits. The engineering controls also need to keep vapour or dust concentrations below any lower explosive limits. Use explosion-proviventilation equipment.	
Individual protection measu	res		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection <u>Skin protection</u>	:	Chemical splash goggles and face shield.	
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. nitrile neoprene	

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SECTION 8: Exposure controls/personal protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physic	al and cl	nemical proper	rties		
<u>Appearance</u>					
Physical state	: Liqu	id.			
Colour	: Clea	ar			
Odour	: Aror	natic.			
Odour threshold	: Not	available.			
Melting point/freezing point	data	May start to solidify at the following temperature: 14°C (57.2°F) This is based on data for the following ingredient: m-phenylenebis(methylamine). Weighted average: -52.5°C (-62.5°F)			
Initial boiling point and boiling range	: >37.78°C (>100°F)				
Flammability (solid, gas)	: liqui	d			
Upper/lower flammability or explosive limits	: Grea	atest known rar	nge: Lower: 1.3% I	Upper: 13% (benzyl alcohol)	
Flash point	: Clos	sed cup: 41°C (105.8°F)		
Auto-ignition temperature	:				
Ingredient name		°C	°F	Method	
Pr opylidynetrimethanol, propoxylated, products with ammonia	reaction	320	608	EU A.15	
Decomposition temperature					
pH	: Not	applicable.			
		applicable. inso	luble in water.		
Viscosity	: Kine	ematic (40°C): >	•21 mm²/s		
Solubility(ies)	:				
Media	Re	esult			
cold water	Not soluble				
Miscible with water	: No.				
Partition coefficient: n-octanol water	/ : Not	applicable.			
Vapour pressure	:				

9.1 Information on basic physical and chemical properties

English (GB)

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SECTION 9: Physical and chemical properties

	Va	Vapour Pressure at 20°C		Vapour		our pressure at 50°C	
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
2-methylpropan-1-ol	<12	<1.6	DIN EN 13016-2				
Relative density	: 1.02	2	ł				
Vapour density	: Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.53 (Air = 1)						
Explosive properties	: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.						
Oxidising properties	: Pro	duct does r	not present an oxidizi	ing hazard.			
Particle characteristics							
Median particle size	: Not	applicable					

SECTION 10: Stability and reactivity

	-	
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredien	ts.
10.2 Chemical stability	: The product is stable.	
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition pro Refer to protective measures listed in sections 7 and 8.	oducts.
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.	
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
Propylidynetrimethanol, propoxylated, reaction products with ammonia	LD50 Dermal	Rabbit	0.4 g/kg	-
	LD50 Oral	Rat	0.22 g/kg	-
benzyl alcohol	LC50 Inhalation Dusts and mists	Rat	>4178 mg/m ³	4 hours
	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	1.23 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
bisphenol A	LD50 Dermal	Rabbit	3600 mg/kg	-
	LD50 Oral	Rat	3.25 g/kg	-
m-phenylenebis (methylamine)	LC50 Inhalation Gas.	Rat	700 ppm	1 hours
	LD50 Dermal	Rat - Male, Female	>3100 mg/kg	-
	LD50 Oral	Rat	930 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours

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		LD50 Dermal	Rabbit	17.8 g/kg		-	•

	LD50 Dermal	Rabbit	17.8 g/kg	-	
	LD50 Oral	Rat	3.5 g/kg	-	
2,4,6-tris	LD50 Dermal	Rabbit	1.28 g/kg	-	
(dimethylaminomethyl)					
phenol					
	LD50 Dermal	Rat	1280 mg/kg	-	
	LD50 Oral	Rat	1200 mg/kg	-	

: There are no data available on the mixture itself.

Conclusion/Summary Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
GMASHIELD 880/880GF HARDENER	2124.5	3589.3	108958.8	51.6	14.5
xylene	4300	1700	N/A	11	N/A
Propylidynetrimethanol, propoxylated, reaction products with ammonia	500	1100	N/A	N/A	N/A
benzyl alcohol	1230	N/A	N/A	N/A	1.5
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
bisphenol A	3250	3600	N/A	N/A	N/A
n-phenylenebis(methylamine)	930	N/A	4500	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	N/A
2,4,6-tris(dimethylaminomethyl)phenol	1200	1280	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
m-phenylenebis(methylamine) 2,4,6-tris (dimethylaminomethyl)phenol	Skin - Severe irritant Skin - Visible necrosis	Rat Rabbit	-	4 hours 4 hours	4 hours 7 days
	Not available.	41	16		

Skin	: There are no data available on the mixture itself.
Eyes	: There are no data available on the mixture itself.

Eyes	: There are	no data available	on the mixture	itself

Respiratory : There are no data available on the mixture itself.

Sensitisation

ochonouton						
Product/ingredient name	Route of exposure	Species	Result			
m-phenylenebis(methylamine)	skin	Mouse	Sensitising			
Conclusion/Summary						
Skin : There are no data available on the mixture itself.						

Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	:
	There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

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Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
2-methylpropan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
bisphenol A	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

Aspiration hazard

Product/ingredient name	Result	
xylene	ASPIRATION HAZARD - Category 1	
ethylbenzene	ASPIRATION HAZARD - Category 1	

Information on likely routes : Not available. of exposure Potential acute health effects Eye contact : Causes serious eye damage. Inhalation : May cause respiratory irritation. : Causes severe burns. Defatting to the skin. May cause an allergic skin reaction. **Skin contact** : No known significant effects or critical hazards. Ingestion Symptoms related to the physical, chemical and toxicological characteristics Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing reduced foetal weight increase in foetal deaths skeletal malformations Skin contact : Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations Ingestion : Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

<u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u> <u>Short term exposure</u>

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Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary	: Not available.
General	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: May damage fertility.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
bisphenol A	Acute LC50 0.885 mg/l Fresh water	Crustaceans	48 hours
	Acute LC50 8.11 mg/I Fresh water	Daphnia - Water flea - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 4.6 mg/l Fresh water	Fish	96 hours
	Chronic NOEC 0.000174 mg/l Fresh water	Fish	5 months
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
,	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2,4,6-tris (dimethylaminomethyl) phenol	Acute LC50 175 mg/l	Fish	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
ethylbenzene	-	79 % - Readily - 10	days	-	-
Conclusion/Summary	: Not available.			•	
Product/ingredient name	Aquatic half-life		Photolysi	S	Biodegradability
xylene benzyl alcohol bisphenol A ethylbenzene	- - -		- - -		Readily Readily Readily Readily

12.3 Bioaccumulative potential

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SECTION 12: Ecological information

	1			
Product/ingredient name	LogPow	BCF	Potential	
x ylene	3.12	7.4 to 18.5	Low	
Propylidynetrimethanol, propoxylated, reaction products with ammonia	-1.13	-	Low	
benzyl alcohol	0.87	-	Low	
2-methylpropan-1-ol	1	-	Low	
bisphenol A	3.4	43.65	Low	
m-phenylenebis (methylamine)	0.18	2.69	Low	
ethylbenzene	3.6	79.43	Low	
2,4,6-tris (dimethylaminomethyl) phenol	0.219	-	Low	

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects	: No known significant effects or critical hazards.
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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product		
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.	
Hazardous waste	: Yes.	
Waste catalogue		
	Waste designation	
Waste code	Waste designation	
Waste code 08 01 11*	Waste designation waste paint and varnish containing organic solvents or other hazardous substances	
08 01 11*	-	
08 01 11* Packaging	 waste paint and varnish containing organic solvents or other hazardous substances The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered 	

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SECTION 13: Disposal considerations

- **Special precautions**
- : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

				1
	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN3469	UN3469	UN3469	UN3469
14.2 UN proper shipping name	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE	PAINT, FLAMMABLE, CORROSIVE
14.3 Transport hazard class(es)	3 (8)	3 (8)	3 (8)	3 (8)
14.4 Packing group	Ш	111	Ш	Ш
14.5 Environmental hazards	Yes.	Yes.	¥es.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	Not applicable.	(Polyoxy propylene diamine, bisphenol A)	Not applicable.

Additional information

ADR/RID	:
Tunnel code	: (D/E)
ADN	:
IMDG	: $\overline{\mathbf{P}}$ he marine pollutant mark is not required when transported in sizes of $\leq 5 \text{ L}$ or $\leq 5 \text{ kg}$.
ΙΑΤΑ	: ₱he environmentally hazardous substance mark may appear if required by other transportation regulations.

14.6 Special precautions for	: Transport within user's premises: always transport in closed containers that are
user	upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk	: Not available.
according to IMO	
instruments	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

Annex XIV - List of substances subject to authorisation Annex XIV None of the components are listed. Substances of very high concern

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SECTION 15: Regulatory information

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
♥ Oxic to reproduction Substance of equivalent concern for human health	4,4'-isopropylidenediphenol 4,4'-isopropylidenediphenol	Candidate Candidate	-	1/12/2017 1/12/2017
Substance of equivalent concern for environment	4,4'-isopropylidenediphenol	Candidate	-	1/12/2017

Ozone depleting substances

Not listed.

Annex XVII - Restrictions : Restricted to professional users. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category ₱5c E1

SECTION 16: Other information

Indicates information that has changed from previously issued version.

	5 1 5
Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and
-	Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019
	No. 720 and amendments
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = GB CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Mam. Liq. 3, H226	On basis of test data
Skin Corr. 1C, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 1B, H360F	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 1, H410	Calculation method

Full text of abbreviated H statements

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SECTION 16: Other information

⊮ 225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications

Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1B Skin Corr. 1B Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

Н	ist	ory

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Date of previous issue	: 9 November 2022
Prepared by	: EHS
Version	: 1.01

<u>Disclaimer</u>

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